

New Products

Camcorders

Panasonic Broadcast & Television Systems Co. has introduced a complete new range of **DVCPRO format products** dubbed the PV (Professional Video) Series. Products in the series include the 1/2-in. 3-CCD AJ-D400 and 1/3-in. 3-CCD AJ-D215 camcorders.

The **AJ-D400** features three low-smear, low-noise 1/2-in. 410,000-pixel FIT CCDs. In ready-to-shoot condition, with lens, 1.5-in. viewfinder, cassette, and battery pack, the AJ-D400 weighs under 13 lbs, with a power consumption of only 23 W. The camcorder records for 66 min, and can play back pictures in black and white on the viewfinder or in full color on an external monitor. The AJ-D400's +30 dB gain-up allows for high-quality shooting in lighting all the way down to 2 lux.

The **AJ-D215** offers an optional IEEE 1394-based DVCPRO interface for downloading digital video and audio for desktop multimedia applications. It weighs 13 lbs in full operating configuration, consumes less than 16 W of power, and accepts a lightweight, 1/3-in. lens, which is removable and interchangeable. It also features a high-sensitivity interline transfer (IT) CCD that delivers the resolution of camcorders with 410,000 pixels. A built-in switchable ND filter provides excellent picture quality even when shooting outdoors under bright sunlight. The camcorder offers a horizontal resolution of 500 lines and built-in SMPTE time code generator/reader.

Panasonic has also announced the availability of several additions to its line of **DVCPRO50 Studio and Electronic Field (EFP) products**.

The **AJ-D910WA 2/3 in. IT CCD camcorder** features selectable record/playback in 16:9 and 4:3 wide-aspect ratios, 33 min record time, 10-bit digital signal processing, a high gain mode of more than 30 dB, SNR of 63 dB, minimum illumination of 0.2 lux, and a high sensitivity. The camcorder consumes less than 28 W of power and weighs 15 lbs fully-operational. Its 2/3-in. CCDs are compatible with existing 2/3-in. lenses.

The **AJ-D940 slow-motion player** features play/back of DV tapes and can be controlled remotely by RS-422A/RS-232C devices. An SDI digital component output is standard, with SDTI output offered as an option.

Command Center

Winsted Corp. has announced an entirely new concept in low profile command centers. Monitors as large as 32 in. are housed on adjustable shelves that can be tilted to just the right angle for perfect viewing and raised or lowered in 1-in. increments. The shelf also accommodates CPUs and is protected by a clear Plexiglas shield that can be easily removed or raised to allow electronic equipment adjustments from the front. Enclosure modules with an EIA standard 19-in. rack width holds smaller monitors and electronics and are available in 14 in. (8U) and 22-3/4 in. (13U) heights depending on which overall console profile height is selected. Monitor shelves and racks are illuminated by a shielded directional lighting system spanning the entire console width.

Networking System

Artel Video Systems has introduced the **DigiLink 8000 (DL8000) multichannel fiber optic video networking system** that provides cable television (CATV) and telecom carriers an easy way to transport multiple video and audio channels over fiber optic networks without compromising quality. The DL8000 can send up to 8 video and 32 audio signals across a single fiber optic cable. A broad range of laser choices, including wideband and narrowband International Telecommunications Union wavelengths allow customers to seamlessly integrate with optical networking equipment. Providers can also link the DL8000 with other technology such as CATV digital interconnect multichannel or high-channel density transmission solutions as well as telephony and data networking systems.

Power Distribution Systems

Pulizzi Engineering, Inc., has announced the **T8S series of power distribution systems** that provide individual on/off control over eight outlets in a 1U x 19-in. rack mounted 16 GA steel chassis. The front mounting panel has a main power "on" indicator light that illuminates when the over-current supplementary protector is engaged. Also on the front panel are eight lighted on/off rocker switches that control the individual power to the eight rear panel NEMA 5-15R (125V/15A) or 6-15R (250V/15A) outlets. The power connector is an IEC 60320 C20 inlet located in the rear panel. The configuration allows the client freedom to use any type power cable and plug rated up to 125V/20A or 250V/16A.

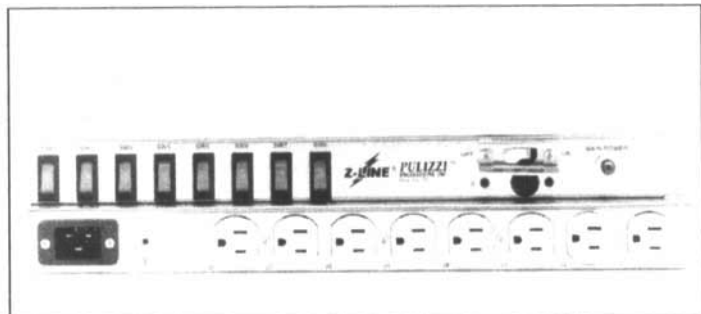
Receivers

Barco, Inc., has announced the launch of the **Atlas digital terrestrial receiver**. Atlas is capable of supporting 2K as well as 8K modulation schemes and is a very compact single-board receiver designed to fully comply with DVB-T specifications. In addition to operating in digital cable headend solutions for COFDM signal reception, Atlas targets broadcast transmission sites for on-site DTT monitoring purposes. It provides a compact solution to digital terrestrial reception: one 3U-rack chassis can accommodate up to seven single-board Atlas receivers, which can receive and demodulate a COFDM modulated signal. The Atlas receiver outputs an MPEG-2 transport stream compliant with DVB ASI specifications.

Telex Communication has introduced the **ENG-100 portable receiver**. This new receiving unit provides 100-channel capability and compatibility with the existing LT-100 belt-pack transmitter and the SH-100 handheld transmitter systems. The ENG-100 is a high-quality UHF portable receiver designed to deliver superior audio quality over 100 channels of possible opera-



New Command Center from Winsted Corp.



Pulizzi T8S power distribution systems.

SONY

Contract/Consultant Opportunities

Always wanted to work with an undisputed World Leader? Here's a chance to work with the best in the business. Opportunities available immediately for state-of-the-art turnkey broadcast production and play-out projects. Requires full time presence at Sony's facilities in San Jose, CA. to start. Travel to job site will be required, especially during the installation and testing stages of the project.

Sr. Level Video Systems Design Engineer

Job Code: SMP-LM-7704233

Job requires 5+ years' professional exp in the design, operation, testing and maintenance of large scale digital video and audio production and broadcast facilities. Job duties focus on the design of floor plans, equipment rack and patch bay elevations; and signal flow diagrams. Must be computer savvy, have in-depth knowledge of MS Windows and Excel, and have a strong electronics background. AutoCAD, LAN/WAN, ATSC, MPEG-2, AC-3 and video server experience a plus.

Project Managers

Job Code: SMP-DO-7704233

Job duties focus on the management of resources to execute fully-integrated broadcast systems. Must complete projects on time and within budget using your 5+ years' exp in project management in broadcast/production systems.

Please forward your resume, indicating job code, to: Sony Electronics Inc., 3300 Zanker Road, MD #SJ2C2, San Jose, CA 95134-1901. Fax 408/955-5166 or e-mail sj_jobs@mail.sel.sony.com. EOE/M/F/D/V

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tion. With a frequency response of 50 to 15,000 Hz with less than 2% THD (mic output), the ENG-100 provides high performance in the 668 to 746 MHz RF frequency range within TV channels 47/84 or 58/59 with an RF stability rating of 0.005% or better. The single conversion (10.7 MHz I.F.) ENG-100 has an internal headphone amplifier and an adjustable audio output control to accommodate any situation. The I.F. bandwidth is 180 kHz at 3 dB points with an image rejection of 65 dB or better.

Recyclable Liquid Kit Chemicals

Cine Service GbR has introduced **recyclable liquid kit chemicals** for film development of common color negatives and color copying materials. The kit chemicals deliver best results with an automated dispensing system integrated in a combined developer processing plant for ECN II and ECP II. The plant automatically processes batches of negative and positive developer through ion exchange columns. The columns are then automatically regenerated and the processed developers upgraded. These processes can take place on both lines of the plant simultaneously. The system reduces disposable waste volumes for up to 90%, reduces water consumption, and allows lowest discharge limits in the effluent.

Tripod System

Miller Fluid Heads has announced the **DS10, 2-stage tripod system**. The system gives users the combination of smooth pan/tilt fluid action and versatile, rock-solid tripod support. It provides eight DVCAM packages that allows operators to choose between lightweight or 2-stage tripods and spreader options according to payload, weight, size, and budget requirements. The DS10 offers 75mm ball leveling with bubble level, fluid drag on pan and tilt, and adjustable pan handle. A sliding camera plate ensures perfect offset balancing of the camera payloads.

Video Scaler

RGB Spectrum has announced the **DTQ video scaler**. The DTQ will receive a video input and double, triple, or quadruple the number of lines for much higher quality video when output to any display, including CRT, projection, and plasma. It will accept composite NTSC, S-Video, or component video from a videotape, laser disc, DVD, direct broadcast, or satellite source. The DTQ offers state-of-the-art decoding, adaptive comb filtering and de-interlacing. It comes with an infra-red remote contraband, easy to follow on-screen menus, as well as a LCD front panel display, and an RS-232 port.

Videotape Recorder and Player

Panasonic Broadcast & Television Systems Co. has introduced the **AJ-D450 studio editing VTR** and **AJ-D440 player**. With analog input/output SDI interface (optional) and versatile control interfacing via RS-422A and RS-232C remote, these two new PV Series VTRs address applications in both nonlinear and linear editing. Both machines deliver DVCPRO and DV playback compatibility. The AJ-D450 offers 184 min of DVCPRO recording, frame-accurate editing, insert/assemble/split editing, and digital still playback. The AJ-D450/440 are both equipped with digital slow motion (using an external controller) and 60X shuttle search and jog functions.

Viewing Monitor

Barco, Inc., has announced the **ADVM 10, digital/analog viewing monitor**. The ADVM 10 has been specially designed and optimized for digital viewing and has two additional inputs for analog signals. It provides a full-feature set including auto setup and on-screen display. It also features two multistandard analog composite inputs and one S-VHS input, which allows simultaneous connection to multiple source fields. The ADVM 10 monitor features on-screen display with menu-driven control geometry, color alignment, scanning format, and degauss.

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